Page 1

Stamp

September 22, 2009 10:58:16 AM Item ID: D3121-041 Accept Setup Start **Revision ID:** Ε Item Name: Bracket Assembly **Start Date:** 7/15/09 **Start Qty: 12.00 Cust Item ID:** Required Date: 7/15/09 Reald Qty 12.00 **Customer:** Reference: Run Start **Approvals:** Process Plan: Tooling: Stop QC: Date: SPC (Y/N): Date: Sequence ID/ Operation Set Up/ Draw Draw Accept Reject Work Center ID Description Number Rev. Qty Qty **Run Hours** Code Number Draw Nbr **Revision Nbr** Rev E D3121 100 0.00 BAND SAW Bandsaw 0.00 Memo Jeaspa Bandsaw Cut blanks: (1.000" x 2.000") 3.250" long

110

HAAS 1

HAAS CNC VERTICAL MACHINING #1

Memo

0.00

0.00

HAAS CNC vertical machine #1

1-Machine D3121-11 as per Folio FA331 and Dwg D31211dentify as D3121-

11i,2-Deburr: 3-Scribe batch number

120

QC

QC2- Inspect parts off machine FAI/FAIB

Memo

0.00

Quality Control

0.00

Aart Aerospace	Ltd
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Ŵ/O:			W	ORK ORDER CHA	NGES		****		
DATE	STEP	PROC	EDURE CH	ANGE		Ву	Date Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
									į.
					-	-			
				- THE WHOLE SHEET AND A SHEET	·-··				
Part No	:D312	21-041 PAR#:	_ Fault Cate	egory: Upchined pm	<i>†</i> ⁷ NC	R: Yes N	o DQA:	Date: _d	35.10.13
	R	esolution: Scyno	Disposition	on: <u>Sevap.</u>	QA	: N/C Clos	sed:	Date: <u>@</u>	8.10.13
NCR:5	1440	_\ W(ORK ORE	DER NON-CONFOR	RMANCE	E (NCR)			
DATE	STEP	Description of NC	Initial	Corrective Action Action Descripti	Section B	Sign &	Verification	Approval	Approval
		Section A	Chief Eng	Chief Eng	OH	Date	Section C	Chief Eng	QC Inspector
0/0/30	110	-3 parts dimension of the lotton short of .300 one off from .240 to .35		- modificate jours proper alignment; scrop à replace 1243		.JL oaloal3U			
0//				Scrop à replace Q143			09/10/00	OSIU Z	65.1005
		properly of the good or						1	1
		sur rose til ok volander Le okt ok plugard Le okt jaur roses he polit jaur roses he polit gart order	Lesiur					sonur	ps.10.05
		Lighting							
		RC: Tooling were + terr.	posiur						
NOTE: D	ate & initi	al all entries	.1			1	1	1	1

Dart Aerospace Ltd	Dart	Aeros	pace	Ltd
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Ŵ/O:		WORK ORDER CHANGES									
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector				
444											

Part No: D3121-041 PAR #: Fault Category: Procl-Muchined parts NCR: Yes No DQA: Date: 05:10:13

Resolution: Scrap Disposition: Scrap QA: N/C Closed: Date: 05:10:13

		Description of NC	-	Corrective Action Section B	Verification	Approval	Approval	
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	QC Inspecto
slol2	110	a parts of mension of the board of the motion of the motion of push out out of push out of push out of push on the mill search of push of the paper of the popper of the popper of the push of the pus	psiur	for poper speed of cuting Scripp. replace Mill 787 Qtg 2.	slo/Ro	09/10/05	Losius	ps. 10 st
		L.C: Prouss.						

NOTE: Date & initial all entries

Work Order ID 50441

September 22, 2009 10:58:17 AM

Е

Item ID:

D3121-041

Accept

Setup Start

Revision ID:

Item Name: Bracket Assembly

Required Date: 7/15/09

Start Date:

7/15/09

QC:

Start Qty: 12.00

Req'd Qty: 12.00



Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

Date:

Date:

Tooling: SPC (Y/N):

0.00

Date:

Date:

Run

Start Stop

Stop



Sequence ID/

Work Center ID

130

Quality Control

Operation Description

QC8- Inspect parts - second check

Memo

Set Up/ **Run Hours**

St 09/0/03

Draw Number Draw Plan Rev. Code

Accept **Qty**

Reject **Qty**

Reject Number

Insp. Stamp

Small Fab

140

Small Fab

Memo

Memo

0.00

0.00

Small Fab Assemble D3121-141 as per Dwg D3121.

150

Quality Control

QC5- Inspect part completeness to step on W/O

0.00

Work Order ID 50441

September 22, 2009 10:58:17 AM

Е



Page 3

Item ID:

D3121-041

Bracket Assembly

Req'd Qty: 12.00

Accept



Setup Start

Start Date:

Revision ID:

Item Name:

7/15/09

Start Qty: 12.00

Cust Item ID: Customer:

Draw

Number

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run

Start Stop

Stop

QC:

Required Date: 7/15/09

Date:

SPC (Y/N):

Date:

Reject

Insp.

Sequence ID/ **Work Center ID**

160

Packaging Packaging

Operation Description

Identify as per dwg & Stock Location: 2.33

Memo

Set Up/ **Run Hours**

0.00

0.00

Rev.

Draw

Accept Qty Code

Plan

Qty

Reject Number Stamp

170

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

09/10/0695 mr 09-10-05

Picklist Print

September 22, 2009 10:58:16 AM

Work Order ID: 50441

Parent Item:

D3121-041RevE

Parent Item Name: Bracket Assembly



Start Date: 7/15/09

Required Date: 7/15/09

Comments:	*							5	Start Qty: 12.0	0	Required Qty:	12.00
Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D3121-21RevE		Manufactured	No			140	Each	57.0000	12.0000	Efsog	e foß	
				Wareho	use	Loc	<u>Oty</u>	Loc Code				
				Loc	<u>ation</u>			•			•	
					arehouse			•				
				ST			57		,			
•					46032 50096		17		_	7		
D3121-241RevE		Manufactured	No		30090	100	40 Each	34.0000	12.0000	10		
Bearing Assembly										<u> 4</u> 509	9/10/05	5
		·		Wareho	use	Loc	<u>Oty</u>	Loc Code		// '		
				Loc	<u>ation</u>			•				
,	•			Main W	arehouse							
				ST	,		34		_			
M174D1 250V02 000					46169		34		_	12		
M174B1.250X02.000	 	Purchased	No			140	f	28.5600	3.4168			
17-4 SS Bar 1.250 x 2.00												
				Wareho	use	Loc	<u>Otv</u>	Loc Code				
					<u>ation</u>							•
					arehouse							
				MA		:	28.56					
					109851		4.56		_	3 20		
					111787		24		_	つくみと		

DART AEROSPACE LTD	Work Order:	5044/
Description: Bracket	Part Number:	D3121-11
Inspection Dwg: D3121 Rev: E		Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

X First Article Prototype

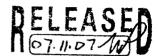
		· ·				
Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
Ø0.392	+0.002/-0.000	-3925				
Ø0.201 x 0.100	+/-0.010	-196×099	/			·
0.75	+/-0.030	.751				
0.375	+/-0.010	.375			·	
1.250	+/-0.010	1.240	/			
0.300	+/-0.010	.290				
1.96	+/-0.030	1.960				
Ø0.573	+/-0.010	.574				
0.345	+/-0.010	.345			·	
0.300	+/-0.010	-300				
0.080	+/-0.010	.080				
2.56	+/-0.030	2.560				•
2.14	+/-0.030	2.140				
0.130	+/-0.010	./30				
2.57	+/-0.030	2.570				
2.85	+/-0.030	2.850		·		
0.381	+/-0.010	-385				
0.400	+/-0.010	, 396				
0.201	+/-0.010	. 199		,		
0.580	+/-0.010	.582	1			·
0.032	+0.000/-0.010	-024				
					•	

Measured by:	ント	Audited by:	Prototype Approval:	N/A
Date:	09/09/29	Date:	Date:	N/A

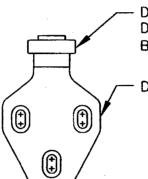
Rev	Date	Change	Revised by	Approved
Α	08.02.01	New Issue P/O D3121-041	KJ/EC/DD	
В	08.06.02	Tolerance revised for Ø0.573	KJ/DD 🚓	



				<u>• ' </u>
DESIG	N 4	DRAWN BY	DART AEROSP, HAWKESBURY, ONTARI	
CHEC	KED	APPROVED	DRAWING NO.	REV. E
	4	4	D3121	SHEET 1 OF 10
DATE			TITLE	SCALE
07.	11.07		BRACKET ASSEMBLY	1:2
Α		02.04.15	NEW ISSUE	



07.	11.07	BRACKET ASSEMBLY 1:2
Α	02.04.15	NEW ISSUE
В	03.01.16	ADD RIDGES; ADD MAT'L PROP; FIX P/N ADD -141/-143/-144/-145/-146
С	04.02.17	ADD CLEARANCE; USE -241 BEARING
D	06.05.17	D3121-25 CAP WAS 1.024, NOW 1.000
Ε	07.11.07	ADD TOLERANCE TO 0.032 (DETAIL B)

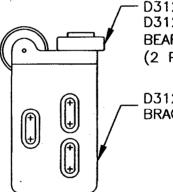


D3121-21 BOLT (1) D3121-241 BEARING ASSEMBLY (1)

D3121-11 BRACKET

D3121-041 BRACKET ASSEMBLY

(REPLACES PREMIER P/N B30-23000-33)

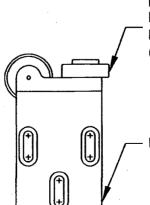


D3121-21 BOLT (1) D3121-241 BEARING ASSEMBLY (1) (2 PLACES)

D3121-13/-14 **BRACKET**

D3121-043 (SHOWN) / D3121-044 (OPPOSITE) BRACKET ASSEMBLY

(REPLACES PREMIER P/N B30-23000-37/-38)



D3121-21 BOLT (1) D3121-241 BEARING ASSEMBLY (1) (2 PLACES)

D3121-045 (SHOWN) / D3121-046 (OPPOSITE) BRACKET ASSEMBLY

(REPLACES PREMIER P/N B30-23000-35/-36)



D3121-15/-16 BRACKET

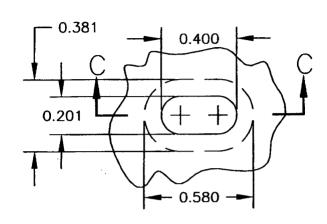
Copyright @ 2002 by DART AEROSPACE LTD

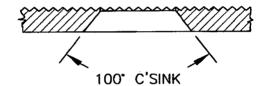
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DESIGN	DRAWN BY	DART AEROSPA HAWKESBURY, ONTARK	
CHECKED	APPROVED,	DRAWING NO.	REV. E
4	-	D3121	SHEET 3 OF 10
DATE		πιε	SCALE
07.11.07		BRACKET ASSEMBLY	1:1

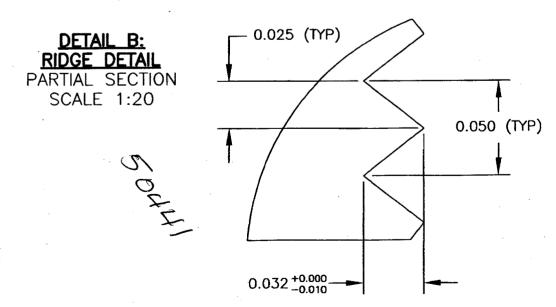
DETAIL A: SLOT DETAIL SCALE 2:1 VIEW ROTATED





SECTION C-C

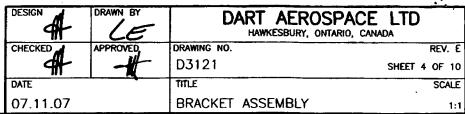
RELEASED

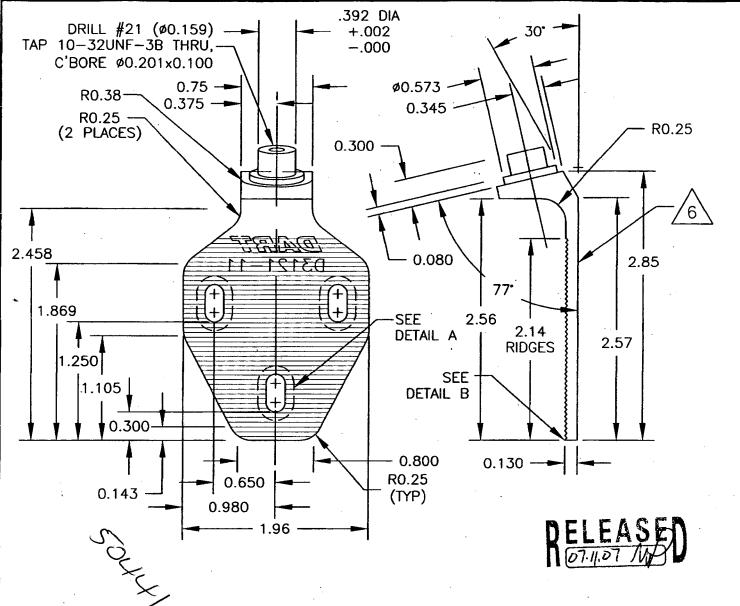


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D3121-11 BRACKET

- 1) MATERIAL: 17-4 SS PER AMS 5604/5643 (REF DART SPEC. M17-4-B)
 MIN ULTIMATE TENSILE = 150 ksi
 MIN YIELD TENSILE = 100 ksi
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.015
- 5) ENGRAVE DART P/N & LOGO AS SHOWN
- 6) HOLE IN SPIGOT TO BE CONCENTRIC WITHIN 0.005

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